

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P#

Luminaire Tested: P3ART17R70W2N902765DE010 E3CLSWW1MW_6500K

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART17R70W2N902765DE010 E3CLSWW1MW_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 6500K CCT AND, 90CRI ,
E3CLSWW1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 614.0 lumens
Efficiency: N/A
Efficacy: 31.6 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P#
CATALOG NUMBER: P3ART17R70W2N902765DE010 E3CLSWW1MW_6500K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART17R70W2N902765DE010 E3CLSWW1MW_6500K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 89 | | | | |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 89 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 78 | | | | |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 68 | | | | |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 60 | | | | |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 53 | | | | |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 47 | | | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | | | | |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 67582 | 67582 | 67582 | 67582 | 67582 |
| 5° | 83183 | 77438 | 65925 | 57891 | 54809 |
| 10° | 101601 | 87240 | 62034 | 48073 | 44199 |
| 15° | 123338 | 95665 | 56527 | 39932 | 35573 |
| 20° | 138169 | 101602 | 50381 | 32506 | 28843 |
| 25° | 147057 | 102804 | 44664 | 26977 | 22743 |
| 30° | 150808 | 99661 | 39247 | 22940 | 19395 |
| 35° | 145919 | 96503 | 34506 | 19568 | 16784 |
| 40° | 133593 | 90713 | 30400 | 17461 | 14942 |
| 45° | 118276 | 75605 | 27011 | 16188 | 13490 |
| 50° | 98010 | 64748 | 23777 | 14840 | 12486 |
| 55° | 73899 | 53943 | 21982 | 13992 | 11316 |
| 60° | 58066 | 40479 | 19867 | 12981 | 9911 |
| 65° | 43377 | 29835 | 17174 | 10844 | 8146 |
| 70° | 27889 | 18978 | 12310 | 7822 | 4488 |
| 75° | 11777 | 10336 | 5931 | 2965 | 1440 |
| 80° | 2147 | 2147 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 118276 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.2 | 4.8 |
| 10°-20° | 84.2 | 13.7 |
| 20°-30° | 123.1 | 20.0 |
| 30°-40° | 134.1 | 21.8 |
| 40°-50° | 116.0 | 18.9 |
| 50°-60° | 77.7 | 12.7 |
| 60°-70° | 40.1 | 6.5 |
| 70°-80° | 9.5 | 1.5 |
| 80°-90° | 0.1 | 0.0 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 236.5 | 38.5 |
| 0°-40° | 370.5 | 60.3 |
| 0°-60° | 564.3 | 91.9 |
| 0°-90° | 614.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 614.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 308 | 308 | 308 | 308 | 308 | |
| 5° | 378 | 352 | 300 | 263 | 249 | 39 |
| 15° | 543 | 421 | 249 | 176 | 157 | 154 |
| 25° | 608 | 425 | 185 | 112 | 94 | 279 |
| 35° | 545 | 360 | 129 | 73 | 63 | 338 |
| 45° | 381 | 244 | 87 | 52 | 44 | 292 |
| 55° | 193 | 141 | 58 | 37 | 30 | 179 |
| 65° | 84 | 58 | 33 | 21 | 16 | 84 |
| 75° | 14 | 12 | 7 | 4 | 2 | 18 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | 0 |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART17R70W2N902765DE010 E3CLSWW1MW_6500K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 |
| 2.5° | 343.1 | 341.3 | 341.3 | 337.8 | 334.4 | 330.9 | 325.7 | 320.4 | 315.2 | 310.0 | 306.5 |
| 5° | 377.9 | 379.6 | 377.9 | 370.9 | 362.2 | 351.8 | 341.3 | 329.1 | 316.9 | 306.5 | 299.5 |
| 7.5° | 418.0 | 418.0 | 412.7 | 404.0 | 391.8 | 374.4 | 357.0 | 336.1 | 316.9 | 299.5 | 290.8 |
| 10° | 456.3 | 456.3 | 447.6 | 433.6 | 414.5 | 391.8 | 367.4 | 339.6 | 313.5 | 289.1 | 278.6 |
| 12.5° | 503.3 | 501.5 | 491.1 | 468.5 | 440.6 | 407.5 | 374.4 | 339.6 | 308.2 | 278.6 | 264.7 |
| 15° | 543.3 | 541.6 | 527.7 | 499.8 | 463.2 | 421.4 | 376.2 | 336.1 | 297.8 | 264.7 | 249.0 |
| 17.5° | 572.9 | 569.5 | 553.8 | 524.2 | 482.4 | 430.1 | 377.9 | 329.1 | 285.6 | 249.0 | 233.4 |
| 20° | 592.1 | 590.4 | 572.9 | 538.1 | 492.8 | 435.4 | 376.2 | 320.4 | 273.4 | 233.4 | 215.9 |
| 22.5° | 604.3 | 600.8 | 583.4 | 545.1 | 492.8 | 433.6 | 369.2 | 308.2 | 257.7 | 217.7 | 200.3 |
| 25° | 607.8 | 606.0 | 585.1 | 543.3 | 487.6 | 424.9 | 358.7 | 296.0 | 242.1 | 202.0 | 184.6 |
| 26° | 607.8 | 606.0 | 585.1 | 541.6 | 484.1 | 419.7 | 353.5 | 290.8 | 236.8 | 195.0 | 179.4 |
| 27.5° | 606.0 | 604.3 | 581.6 | 536.4 | 477.2 | 411.0 | 343.1 | 280.4 | 226.4 | 186.3 | 168.9 |
| 30° | 595.6 | 592.1 | 569.5 | 524.2 | 461.5 | 393.6 | 325.7 | 264.7 | 210.7 | 170.7 | 155.0 |
| 32.5° | 572.9 | 569.5 | 545.1 | 503.3 | 444.1 | 374.4 | 306.5 | 247.3 | 195.0 | 155.0 | 141.1 |
| 35° | 545.1 | 541.6 | 517.2 | 477.2 | 419.7 | 360.5 | 285.6 | 228.1 | 177.6 | 142.8 | 128.9 |
| 37.5° | 510.2 | 505.0 | 484.1 | 442.3 | 390.1 | 344.8 | 268.2 | 209.0 | 162.0 | 128.9 | 116.7 |
| 40° | 466.7 | 465.0 | 445.8 | 407.5 | 355.3 | 316.9 | 257.7 | 209.0 | 148.0 | 116.7 | 106.2 |
| 42.5° | 424.9 | 421.4 | 404.0 | 370.9 | 323.9 | 276.9 | 226.4 | 200.3 | 137.6 | 104.5 | 95.8 |
| 45° | 381.4 | 377.9 | 362.2 | 334.4 | 290.8 | 243.8 | 243.8 | 172.4 | 118.4 | 95.8 | 87.1 |
| 47.5° | 334.4 | 330.9 | 318.7 | 297.8 | 259.5 | 217.7 | 177.6 | 141.1 | 108.0 | 85.3 | 78.4 |
| 50° | 287.3 | 289.1 | 278.6 | 257.7 | 228.1 | 189.8 | 153.2 | 118.4 | 92.3 | 76.6 | 69.7 |
| 52.5° | 240.3 | 238.6 | 231.6 | 217.7 | 196.8 | 163.7 | 130.6 | 101.0 | 80.1 | 67.9 | 64.4 |
| 55° | 193.3 | 195.0 | 191.6 | 182.9 | 165.4 | 141.1 | 109.7 | 87.1 | 71.4 | 61.0 | 57.5 |
| 57.5° | 160.2 | 162.0 | 155.0 | 149.8 | 135.8 | 114.9 | 90.6 | 73.1 | 61.0 | 54.0 | 50.5 |
| 60° | 132.4 | 134.1 | 128.9 | 121.9 | 111.5 | 92.3 | 73.1 | 61.0 | 54.0 | 48.8 | 45.3 |
| 62.5° | 108.0 | 106.2 | 102.7 | 95.8 | 87.1 | 73.1 | 59.2 | 50.5 | 45.3 | 41.8 | 40.1 |
| 65° | 83.6 | 83.6 | 80.1 | 74.9 | 67.9 | 57.5 | 47.0 | 41.8 | 38.3 | 34.8 | 33.1 |
| 67.5° | 62.7 | 62.7 | 59.2 | 55.7 | 48.8 | 41.8 | 36.6 | 33.1 | 31.3 | 27.9 | 26.1 |
| 70° | 43.5 | 43.5 | 41.8 | 40.1 | 34.8 | 29.6 | 27.9 | 24.4 | 22.6 | 20.9 | 19.2 |
| 72.5° | 27.9 | 27.9 | 27.9 | 24.4 | 22.6 | 19.2 | 19.2 | 17.4 | 15.7 | 13.9 | 13.9 |
| 75° | 13.9 | 15.7 | 13.9 | 13.9 | 12.2 | 12.2 | 10.4 | 10.4 | 8.7 | 8.7 | 7.0 |
| 77.5° | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 5.2 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 80° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 | 308.2 |
| 2.5° | 303.0 | 297.8 | 294.3 | 289.1 | 285.6 | 282.1 | 280.4 | 278.6 | 278.6 | 278.6 |
| 5° | 294.3 | 285.6 | 276.9 | 268.2 | 263.0 | 257.7 | 252.5 | 250.8 | 249.0 | 249.0 |
| 7.5° | 283.9 | 269.9 | 257.7 | 247.3 | 238.6 | 233.4 | 228.1 | 224.6 | 222.9 | 222.9 |
| 10° | 269.9 | 252.5 | 238.6 | 224.6 | 215.9 | 209.0 | 205.5 | 200.3 | 200.3 | 198.5 |
| 12.5° | 254.3 | 233.4 | 217.7 | 205.5 | 196.8 | 188.1 | 182.9 | 179.4 | 177.6 | 177.6 |
| 15° | 236.8 | 215.9 | 198.5 | 184.6 | 175.9 | 167.2 | 162.0 | 158.5 | 156.7 | 156.7 |
| 17.5° | 219.4 | 196.8 | 179.4 | 165.4 | 156.7 | 148.0 | 142.8 | 139.3 | 139.3 | 137.6 |
| 20° | 202.0 | 179.4 | 162.0 | 148.0 | 139.3 | 132.4 | 127.1 | 123.6 | 121.9 | 123.6 |
| 22.5° | 186.3 | 163.7 | 146.3 | 134.1 | 123.6 | 116.7 | 111.5 | 109.7 | 108.0 | 108.0 |
| 25° | 168.9 | 148.0 | 132.4 | 120.2 | 111.5 | 104.5 | 99.3 | 97.5 | 95.8 | 94.0 |
| 26° | 163.7 | 142.8 | 127.1 | 114.9 | 106.2 | 99.3 | 95.8 | 92.3 | 90.6 | 90.6 |
| 27.5° | 156.7 | 134.1 | 120.2 | 108.0 | 99.3 | 94.0 | 88.8 | 87.1 | 85.3 | 85.3 |
| 30° | 141.1 | 121.9 | 108.0 | 97.5 | 90.6 | 83.6 | 80.1 | 78.4 | 76.6 | 76.6 |
| 32.5° | 128.9 | 109.7 | 97.5 | 88.8 | 81.8 | 76.6 | 73.1 | 69.7 | 69.7 | 69.7 |
| 35° | 116.7 | 99.3 | 88.8 | 80.1 | 73.1 | 67.9 | 66.2 | 64.4 | 62.7 | 62.7 |
| 37.5° | 106.2 | 90.6 | 80.1 | 73.1 | 67.9 | 62.7 | 59.2 | 57.5 | 57.5 | 57.5 |
| 40° | 95.8 | 83.6 | 73.1 | 66.2 | 61.0 | 57.5 | 54.0 | 52.2 | 52.2 | 52.2 |
| 42.5° | 87.1 | 74.9 | 67.9 | 61.0 | 55.7 | 52.2 | 50.5 | 48.8 | 47.0 | 47.0 |
| 45° | 80.1 | 69.7 | 61.0 | 55.7 | 52.2 | 48.8 | 45.3 | 43.5 | 43.5 | 43.5 |
| 47.5° | 71.4 | 64.4 | 55.7 | 50.5 | 47.0 | 43.5 | 41.8 | 40.1 | 40.1 | 40.1 |
| 50° | 66.2 | 59.2 | 52.2 | 47.0 | 43.5 | 40.1 | 38.3 | 36.6 | 36.6 | 36.6 |
| 52.5° | 59.2 | 54.0 | 48.8 | 43.5 | 40.1 | 36.6 | 34.8 | 33.1 | 33.1 | 33.1 |
| 55° | 54.0 | 48.8 | 43.5 | 40.1 | 36.6 | 33.1 | 31.3 | 29.6 | 29.6 | 29.6 |
| 57.5° | 48.8 | 43.5 | 40.1 | 36.6 | 33.1 | 31.3 | 27.9 | 27.9 | 26.1 | 26.1 |
| 60° | 43.5 | 38.3 | 34.8 | 33.1 | 29.6 | 27.9 | 24.4 | 22.6 | 22.6 | 22.6 |
| 62.5° | 36.6 | 34.8 | 31.3 | 27.9 | 24.4 | 22.6 | 20.9 | 19.2 | 19.2 | 19.2 |
| 65° | 31.3 | 29.6 | 26.1 | 22.6 | 20.9 | 19.2 | 17.4 | 15.7 | 15.7 | 15.7 |
| 67.5° | 26.1 | 22.6 | 20.9 | 19.2 | 17.4 | 15.7 | 13.9 | 12.2 | 10.4 | 12.2 |
| 70° | 19.2 | 17.4 | 15.7 | 13.9 | 12.2 | 10.4 | 8.7 | 8.7 | 7.0 | 7.0 |
| 72.5° | 12.2 | 10.4 | 10.4 | 8.7 | 7.0 | 7.0 | 5.2 | 5.2 | 3.5 | 3.5 |
| 75° | 7.0 | 7.0 | 5.2 | 5.2 | 3.5 | 3.5 | 1.7 | 1.7 | 1.7 | 1.7 |
| 77.5° | 3.5 | 1.7 | 1.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)